SPARK GAP

Vol. 31, Issue 12, December 2014

MARC - Serving Central Indiana Communities for thirty-one years

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MID-STATE AMATEUR RADIO CLUB

The Mid-State Amateur Radio Club meets the THIRD SATURDAY of each month in the basement of the Johnson County Emergency Management Agency, 1111 Hospital Road, Franklin, Indiana 46131.

See our website, www.midstatehams.org, for maps on how to get to our meeting.

Everyone is welcome; you do not have to be a HAM to attend our meetings or a member of the club.

WA9RDF Repeater 146.835 /146.235 PL 151.4

Club Officers:

President:
Jacki Frederick – KI6QOG

Vice-President:
Dave Daily – KB9LOT

Secretary:
Rhonda Curtis – WS9H

Treasurer:
Cy Young – N9CHY

Repeater Trustee:
Chris Frederick -KQ9Y

On Our MARC…

Well, I don't know about anyone else but right now I sure would like to be back on that cruise ship. Winter came early this year.

Here it is Dec already and the New Year is right around the corner. 2014 has been a busy year for MARC and hopefully 2015 will be just as busy and productive. I would like to thank everyone for all they have done for the club in 2014. Together we have accomplished a lot.

First I would like to thank all those that helped in the Tech Class either teaching or helping Rhonda with testing. A lot of hard work went into the class. Even though we only had one Tech Class this year, we still got a few new hams. I'm sure Rhonda will have the final totals for us at the meeting. Thanks again.

Second, would like to thank all those that came out for the Strawberry Fest, Field Day and the new event that we did, the Heartnut. Looking forward to 2015 for all the events the Club will be attending and hoping we get many people out to participate.

Third, I would like to thank all those that have helped with the South Tower. While I was gone, I understand that it is up and working. Not sure what or if there is anything else that we need to do with it but it is working.

Please come join us on Dec 20th for our breakfast meeting and I believe that Santa will be dropping off some gifts. Breakfast will be provided by members of the club. If you would like to bring something please do. It is not required.

A reminder that dues will be coming up the first of the year. Please see Cy Young, N9CHY, about getting dues current for 2014. They are only $18.00.

Finally, I would like to wish everyone a Merry Christmas and a Happy and safe New Year!!
See you Dec 20th at 8:00am. The coffee will be on.
Jacki KI6QOG …..... President

Yagi Antenna History

As many of you may already know, the full name of this antenna is Yagi-Uda Antenna.The origin of this name is derived by the surname of two Japanese inventors that designed this antenna for the first time at the beginning of the 1920 痴 .

Yagi Antenna US Patent Source www.uspto.gov
The two inventors were, Hidetsugu Yagi (1886-1976) andShintaro Uda (1896-1976) both professors at the Tohoku University Japan.What not everyone knows is that the original concept of this antenna has to be attributed to Shintaro Uda (Yagi 痴 assistant professor) that in 1926, first described this antenna at Tohuku University in Japan, in the IEEJ (Japan). Hidetsugu Yagi , who worked in the UK, USA and Germany, applied for patents on the new antenna both in Japan and the United States.The Japanese patent was immediately issued in 1926 with nr. 69115 while the U.S. patent 1,860,123 filed in 1926 was issued later in 1932.While the Japanese patent was properly attributed to both the inventors, the US patent was assigned to the Dr. Yagi.

Japanes Patent 69115 source aktuellum.com
Dr. Yagi is listed among the ten Japanese great inventors by the Japan Patent Office for this very invention, and has been president of http://www.jarl.org/English/ (JARL) in 1946.Although no one can ever tell us how much authorship should be attribute to Professor Yagi rather than Professor Uda , certainly we should attribute the right authorship to this antenna by naming it always as Yagi-Uda.

DINNER SOCIAL 2015

January 14:
Jockamo's Pizza – Greenwood

February 11:
Flap Jacks – Bargerville

March 11:
Jockamo's Pizza – Greenwood

April 8:
El Meson – Franklin

May 18:
Jockamo's Pizza - Greenwood

June 10:
Patroit Grill – Greenwood

If you would like to try a new place, please let the PIO team know.

BIRTHDAYS FOR DECEMBER

KQ9Y --- CHRIS FREDERICK

AE9H ----PHIL MELICK

KC9YIA ---- CHRIS ROSE

PLEASE REMEMBER CLUB DUES ARE DUE NOW FOR 2015

SILENT KEY

W9ELF – JOHN CHEELY,

became a silent key

November 15,2014

He will be missed by us all.

2014 S.E.T.

The ARRL/ARES Simulated Emergency Test (SET) was conducted on November 8th. Johnson County ARES/RACES had 12 members partisipate in this exercise that was conducted in the morning hours and lasted about three hours. The exercise secinero was an EMF burst that disrupted electric power and communications. This was the first time that an ARES exercise was held statewide. The exercise went well for Johnson County.

January 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 HAPPY NEW YEAR !	2	3
4 7 PM MARC Net	5	6	7	8	9	10
11 7 PM MARC Net	12	13	14	15	16	17 MARC Meeting
18 7 PM MARC Net	19	20	21	22	23	24
25 7 PM MARC Net	26	27	28	29	30	31

Coffee Break Training

For the final installment in the series on “Applying for Disaster Assistance” below is a news release that gives insight on the ‘mitigation’ phase of disaster response. Mitigation is simply the process of reviewing what was in place before the problem, looking at how it was affected. Then, do a re-design or engineering to minimize future impact by planning for a similar situation and taking steps to be prepared for it.

Some old axioms on planning are; 1) People don’t plan to fail, they fail to plan. Or 2) Cant or won’t happen to me – is NOT a plan. Although it is impossible to plan for everything, the true measure of a successful plan is how flexible it can be for the circumstances or adjusts for the situation as needs change. An extreme example is for homes that are re-built in a flood plain, FEMA may stipulate that the ‘living’ structure be built on stilts that lift it above the flood level for the area.

We will close this series on the process of applying for disaster assistance this month. In the future we will examine other disaster related articles and news releases or topics that are requested. This has been an effort of continuing education for our role as ARES/RACES members when we are serving our communities after a disaster. As I mentioned in the first segment, we can find ourselves being the first ‘official’ looking person on a disaster scene because of our HT in our hand giving the EOC a status report on an area. From my personal experience, I can tell you that makes you a magnet for residents looking for answers. This when people feel the most vulnerable or victimized and want help, they look to us for solutions. We can best serve those in need by being at least familiar with how or what they need to know to start the “process” of applying for disaster assistance to get their lives back to a sense of normalcy.

Protect Against Future Storm Damage

Main Content
Release date: June 20, 2013
Release Number: 4116-IL NR-060

AURORA**,** Ill. – As thousands of structures in Illinois are being rebuilt or repaired due to damage from this spring’s severe weather, state and federal emergency management officials are urging homeowners and business owners to take steps that will minimize damage from future storms.
“We know that disasters of this kind will occur again, but Illinoisans do not need to continue experiencing the same losses,” said W. Michael Moore, the federal official in charge of disaster recovery. “In addition to gaining a safe, more damage-resistant home or business, strengthening a structure might someday save a life. It also could enhance a property’s value and save money by reducing insurance premiums.”

Illinoisans living in flood-prone houses are encouraged to raise electrical components as well as ventilating and cooling equipment above potential flood levels. Electrical system components, including fuse and

breaker boxes, meters, switches, and outlets are easily damaged by floodwater. If inundated for even a short period, an electrician or the local municipal building department should be consulted.

“There is no better time to do this than when your home is being repaired and the disaster is fresh on your mind,” added Moore.

Rebuilding to make structure more disaster resistant is called hazard mitigation.
Homeowners and business owners should discuss with their contractors the following hazard mitigation measures:

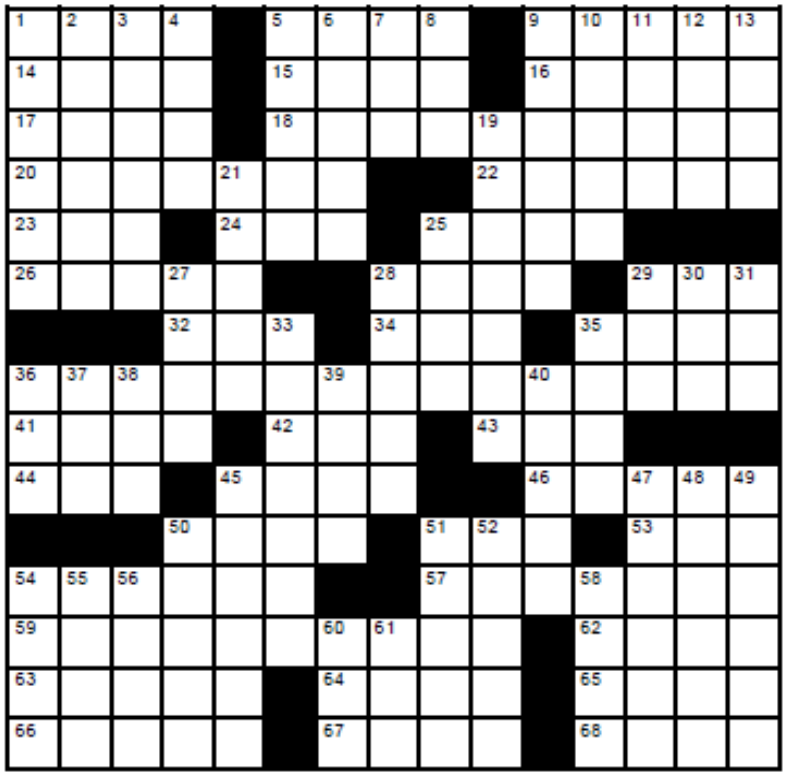
- Installation of appropriate roof bracing.
- Installation of storm shutters.
- Bolting walls to the foundation.
- Installation of masonry ties, which help to secure brick walls to the wood structure.
- Elevating basement furnaces.
- Replacement of a weak garage door, which can create entry for wind that can easily lift an unstrapped roof.
- Elevating the entire structure above potential flood levels.

Information on how to help protect your home is available free at any of the FEMA/state Disaster Recovery Centers, or at one of the Mitigation Outreach events at home improvement stores.
Individuals and families living in one of the designated counties for Individual Assistance may be eligible for help if the damage occurred between April 16 and May 5. They should register with FEMA to begin the process.

MERRY CHRISTMAS
&
HAPPY NEW YEAR
2015

by Chris Codella, W2PA 12/11/2007

Vintage Ham Radio



Across

1. Radio named for a bird
5. Lake ____ swing
9. An SB-220, very broadly speaking
14. Oscar's follower
15. In the middle of EME
16. Tough, durable wood
17. Times past
18. Fine tuning, on some vintage receivers
20. Presses the upper left key
22. They get disqualified in a contest, probably
23. Vibroplex manual item
24. Iowa ham equipment maker, informally
25. Cartoonist Schultz, on CW maybe?
26. _____ generator
28. A step lower in frequency than Re's
29. Proof ender, maybe on CW too
32. Meadow sound
34. Volatile computer storage
35. Four digits of nothing, on CW, for short
36. An R-390 on a carrier?
41. Part of S.R.O.
42. What log entries were often written in, before computers
43. Sixty-one-forty-____
44. Foxhunt (abbr.)
45. Delight
46. Pertaining to a point of connection, in a circuit or network
50. Base predecessor?
51. W2 summer time
53. Dir. beaming Billings from Boise
54. Bad, if a tire...; good, if SWR...
57. Desk Kilowatt maker
59. Lots of Hertz, in the early days
62. ARRL Op-____ (dupe sheets were #6)
63. Receiver maker in HPM's time
64. Walk back and forth
65. Natural antenna support
66. A YL, after getting an X
67. Jet-setters' jets, once
68. Wisdom says that sometimes it's more

Down

1. 20 WPM, 300 Baud, and others
2. SP capital
3. To AMers it's the scratchy one from Heath
4. AMSAT partner
5. Glowing remnant
6. Effect of 5-down on a hot dog
7. Sometimes it's plus sometimes minus
8. AR, on CW
9. Some amplifiers, starting around 1970
10. "Who ___?"
11. Part of EAN, CAN, PAN
12. Future doc's exam
13. Docs of another kind
19. Arrangements or organizations - in databases
21. Like a ruling in HV-land
25. Layer, as with paint
27. Pac. div. ARRL sect.
28. Their dials are greenish-blue
29. Miamisburg, to 28-down
30. Maker of 9-down, once
31. Serial port pin
33. Code proficiency, say
35. Extra stable freq. ref.
36. Kind of logic gate
37. Another kind of logic gate
38. What the original ham band is called today
39. Linear (but not an amp), briefly
40. IN district
45. Honored or favored
47. Covet, as a big antenna farm
48. Collectors' ancestors?
49. Contacts (but not QSOs)
50. ____ King 500
51. VCR button
52. Prescribed amounts
54. Italy, No. Ireland, in prefixes
55. McCartney, Lancelot and others
56. Took a 707
58. Mfgr. of HRO rcvrs
60. Hz, to Hertz
61. A step higher in frequency than so's

Answer to Vintage ……..